

Warm-Up Exercises

For use before Lesson 8.2, pages 391–397

Solve the equation.

1. $x + 4 = 17$

2. $\frac{x}{9} = 5$

3. $2x - 3 = 25$

4. $8 - \frac{x}{12} = 6$

5. $5x - 11 = 4x + 7$

6. $-21 + 3x = 12x + 33$

Daily Homework Quiz

For use after Lesson 8.1, pages 385–390

Use the relation $(-2, 2)$, $(-1, 0)$, $(-1, 1)$, $(1, 2)$, and $(2, 1)$.

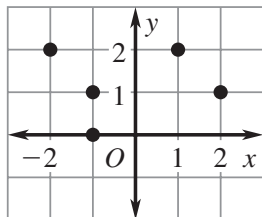
- Identify the domain and range.
- Represent the relation as a graph.
- Tell whether the relation is a function. Explain your reasoning.
- Challenge** Give an example of a relation that is *not* a function, but whose inverse is a function.

ANSWERS

Warm-Ups: 1. 13 2. 45 3. 14 4. 24 5. 18 6. -6

Daily Homework Quiz: 1. $-2, -1, 1, 2; 0, 1, 2$

2.



- No; the input -1 is paired with two outputs, 0 and 1.
- Sample answer:* $(2, 1), (2, 2), (2, 3), (2, 4)$